

WHAT IS CLAIMED IS:

Sub Q'

1. A signal processing apparatus, comprising:
 - processing means for executing a plurality of processes for a plurality of processes;
 - 5 assigning means for automatically assigning each process with a unique code used for executing each of the plurality of processes; and
 - control means for controlling said processing means to execute the plurality of processes in accordance with the code assigned by said assigning means.
- 15 2. An apparatus according to claim 1, further comprising input means for inputting program data, wherein the plurality of processes include a process for the program data input by said input means.
- 20 3. An apparatus according to claim 2, wherein the plurality of processes include at least one of processes of program reservation, listening/viewing reservation, program detailed information display, and program data reproduction.
- 25 4. An apparatus according to claim 1, further comprising:
 - input means for inputting program data and program information of the program data; and

00654227-09050C

searching means for searching the program information input by said input means in accordance with a predetermined search condition,

wherein the plurality of processes include a
5 process for the program data corresponding to the program information searched by said searching means.

5. An apparatus according to claim 4, wherein the plurality of processes include at least one of
10 processes of program reservation, listening/viewing reservation, program detailed information display, and program data reproduction, respectively for the program corresponding to the program information searched by said searching means.

15
6. An apparatus according to claim 4, wherein said searching means sets a search condition for each of a plurality of users.

20
7. An apparatus according to claim 4, wherein said searching means adds a search point if a program matches a search condition and selects a program having a high search point, and the search condition includes a condition that the search point lowers more as the
25 number of assignment times of the code by said assigning means for the plurality of processes is larger.

09234227-050500

8. An apparatus according to claim 4, further comprising outputting means for outputting code information representative of a correspondence between a process to be executed for the code assigned by said assigning means and the code, wherein said searching means sets a plurality of search conditions, and said outputting means outputs the code information for a plurality of search results searched for each search condition.

10

9. An apparatus according to claim 8, wherein said outputting means outputs the code information for the plurality of search results to a printer unit.

15

10. An apparatus according to claim 1, further comprising outputting means for outputting code information representative of a correspondence between a process to be executed for the code assigned by said assigning means and the code.

20

11. An apparatus according to claim 10, wherein said outputting means outputs the code information to a printer unit.

25

12. An apparatus according to claim 11, wherein a code assignment process by said assigning means and a code information output process by said outputting

OCC-5422610-0000500

means to the printer unit are executed at a predetermined time.

13. An apparatus according to claim 12, further
5 comprising setting means for manually setting the predetermined time.

14. An apparatus according to claim 11, wherein
said outputting means outputs the code information to a
10 display unit.

15. An apparatus according to claim 1, further comprising code inputting means for manually inputting the code, wherein said control means controls said processing means in accordance with the code input by said input means and the code assigned by said assigning means.

16. A signal processing method for executing a plurality of processes for a plurality of functions, the method comprising steps of:

automatically assigning each process with a unique code used for executing each of the plurality of processes; and
25 executing each of the plurality of processes in accordance with the assigned code.

002634227-000500

17. A signal processing system, comprising:

processing means for executing a plurality of processes for a plurality of processes;

5 assigning means for automatically assigning each process with a code used for executing each of the plurality of processes;

printing means for printing code information representative of a correspondence between a process to be executed for the code assigned by said assigning 10 means and the code;

code inputting means for manually inputting the code; and

control means for controlling said processing means to execute each of the plurality of processes in accordance with the code assigned by said assigning 15 means and the code input by said code inputting means.

18. A printing apparatus, comprising:

inputting means for inputting code information 20 output from a signal processing apparatus which automatically assigns each process with a unique code used for executing each of a plurality of processes and executes each of the plurality of processes; and

printing means for printing the code information 25 input by said inputting means.

19. A signal processing apparatus, comprising:

03512422 - 00000000

receiving means for receiving a television signal containing image data of a plurality of programs;

assigning means for assigning a code to each of the plurality of programs received by said receiving
5 means;

recording means for recording the image data in a storage medium;

code inputting means for manually inputting an optional code; and

10 control means for controlling said recording means in accordance with the code manually input by said code inputting means and the code assigned by said assigning means.

15 20. An apparatus according to claim 19, further comprising reproducing means for reproducing the image data of the plurality of programs recorded in the recording medium, wherein said assigning means further assigns the code to each of the plurality of programs recorded in the recording medium, and said control means further controls a reproduction operation by said reproducing means in accordance with the manually input code and the assigned code.
20

25 21. An apparatus according to claim 19, wherein said assigning means includes searching means for searching the program matching the search condition

0963422 - 0963420

from the plurality of programs, and assigns the code only to the program searched by said searching means.

22. A signal processing apparatus for receiving a
5 television signal including image data of a plurality
of programs and for recording the image data into a
storage device, said signal processing apparatus
assigning a code to each of the programs of the
received television signal, and a recording operation
10 of the image data of the plurality of programs into the
storage device being controlled in accordance with a
selected code manually selected from the codes assigned
to the plurality of programs and the codes assigned to
the plurality of programs.

15
23. An apparatus according to claim 22, further
reproducing the image data of the plurality of programs
from the storage device and assigning a code to each of
the programs of the recorded image data, and a
20 reproducing operation of the image data of the
plurality of programs from the storage device being
controlled in accordance with a selected code manually
selected from the codes assigned to the plurality of
programs and the codes assigned to the plurality of
25 programs.

24. An apparatus according to claim 22, further

00000000000000000000000000000000

performing a search of each of the plurality of programs for programs matched with predetermined requirement and assigning a code to the program found out by the search.

5

00000000000000000000000000000000